

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 32	Suppl. No. 0	Contract No. 04 - 0120F4	Road SF-80-13.2/13.9	FED. AID LOC.:
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To: AMERICAN BRIDGE/FLUOR ENTERPRISES INC A JOINT VENT

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

Revise the Special Provisions Section 10-4.06 "DEHUMIDIFIER SYSTEM", as shown on sheet 2 of this change order.

The following revised plan sheets detail the changes addressed in this change order: 61R1, 960R1 and 961R1 (of 1204), as shown on sheets 3, 4 and 5 of this change order.

This change order resolves the costs associated with Contractor Request For Information (RFI) Nos. 122R0, 122R1, 124R0 and 125R0 with respect to changes listed above.

For this work, the Contractor will receive a Lump Sum price of \$13,901.00. This sum constitutes full and complete compensation for furnishing all labor, material, tools and incidentals including all markups by reason of this Change.

Cost of Adjustment of Compensation at Lump Sum\$13,901.00

Estimated Cost: Increase Decrease \$13,901.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature	Resident Engineer	Date
	William Shedd for, Gary Pursell, P.E., Sup.T.E.	3-11-09

Approval Recommended by

Signature	Supervising Bridge Engineer	Date
	Richard Morrow, P.E., Sup. BE	3/12/09

Engineer Approval by

Signature	Supervising Transportation Engineer	Date
	Gary Pursell, P.E., Sup. TE	4/16/09

We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature	(Print name and title)	Date
<i>Michael D. Flowers</i>	Michael D. Flowers Project Director	4-15-09

CONTRACT CHANGE ORDER NO. 32 SUPPL. NO. ---
ROAD 04-SF-80-13.2, 13.9 SHEET 2 OF 5 SHEETS
FEDERAL NO.(S) CONTRACT NO.: 04-0120F4

A. DEHUMIDIFIER SYSTEM INSTALLATION AND MAINTENANCE

1. In the Special Provisions, Section 10-4.06, "DEHUMIDIFIER SYSTEM," subsection "MATERIALS," subsection "Moisture Removal Capacity Control," is revised as follows:

"Moisture Removal Capacity Control"

The dehumidifier shall operate automatically, in response to the control system supplied by the manufacturer and interface with the Direct Digital Control (DDC) system:

- A. On-off control

The dehumidifier's reactivation air flow system shall turn on and off in response to the humidistat, which shall be provided by the manufacturer and mounted in the specified location specified below and connected to the dehumidifier by the installing contractor.
 - B. The dehumidifier shall operate automatically, in response to the control system supplied by the manufacturer.
 - C. The dehumidifier shall turn on and off in response to the sensor specified, which shall be provided by the manufacturer and mounted in the specified location and connected to the dehumidifier by the installing contractor. Instruments for humidity measurement if located in duct work, shall be located in the return system upstream of any mixing point with outside air and be installed per dehumidifier equipment manufacturer's recommendations.
 - D. The process fan shall normally run continuously to provide air movement and air mixing throughout the dehumidified space.
 - E. The humidistat shall be located in the return air duct system, downstream of all return air branches and upstream of any outside air duct connections. If the unit's return system is not ducted, the humidistat shall be located at, or adjacent to and within the affected area of the return inlet of the unit."
2. In the Special Provisions, Section 10-4.06, "DEHUMIDIFIER SYSTEM," subsection "DUCTWORK AND ACCESSORIES," subsection "Ductwork," add Item I as follows:

"I. Dampers shall be manual control with position locking hardware and shall not be motorized."
 3. In the Special Provisions, Section 10-4.06, "DEHUMIDIFIER SYSTEM," subsection "PERFORMANCE TESTS," Item B is revised as follows:

"B. Performance test each dehumidifying system to meet the performance requirements indicated on the Technical Data Sheet furnished by the manufacturer. Performance testing shall be conducted by an independent certified testing company and control contractor. Tests shall be performed in presence of Engineer and a representative of the ~~ef~~ dehumidifier manufacturer. The operational position setting of the dampers shall be locked in place once distribution of airflow has been balanced."
 4. In the Special Provisions, Section 10-4.06, "DEHUMIDIFIER SYSTEM," subsection "PERFORMANCE TESTS," Item D, revise the first sentence as follows:

"D. Place the system in full automatic operation, with automatic controls set in accordance with maximum design condition of ~~45~~ 40 percent, plus or minus 5 percent, relative humidity between 7.2 °C and 24 °C , in accordance with the following:"



